

Application No.: 09/343,092

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IN THE CLAIMS

Please amend the claims as follows:

Claims 1-11 (Cancelled)

12. (Currently Amended) A head for ink-jet printer comprising:

a silicon substrate ~~on~~ in which a plurality of ink nozzles and a plurality of ink passages each communicating separately to each of the ink nozzles are ~~processed finely using a plasma etching method formed;~~

an inorganic substrate which is joined with said silicon substrate and is provided with ink chambers each communicating separately to each of the ink passages; and

a piezoelectric element of ferroelectric substance for changing separately a capacity of each of the ink chambers to jet an ink from said ink nozzles through said ink passages, wherein said silicon substrate includes a structure in which a plurality of silicon substrates of equal thickness are laminated;

wherein said ink passages are fine as compared with said ink chambers and said ink nozzles are fine as compared with said ink passages, and
wherein said inorganic substrate has a common ink supply port for supplying ink to said plurality of ink passages at a portion on a surface of said inorganic substrate between a plurality of said piezoelectric elements; and

~~wherein a pitch of the ink nozzles is approximately 20 μ m.~~

13. (New) The head for ink-jet printer of claim 12, wherein a pitch of the ink nozzles is approximately 20 μ m.

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14. (New) The head for ink-jet printer of claim 12, wherein said ink nozzles and said ink passages are processed finely using a plasma etching method.
15. (New) The head for ink-jet printer of claim 12, wherein said ink nozzles have tapered configurations.
16. (New) The head for ink-jet printer of claim 12, wherein said in nozzles and said ink passages are communicated by laminating the silicon substrate in which said ink nozzles are processed and the silicon substrate in which said ink passages are processed.
17. (New) The head for ink-jet printer of claim 12 further comprising:
a head for ink-jet printer; and
an ink tank for storing ink supplied to said ink chambers of said printer head.